

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 229 | 257/780.ccls. | US-PGPUB | OR | ON | 2005/12/30 16:12 |
| L2 | 579 | 257/686.ccls. | US-PGPUB | OR | ON | 2005/12/30 16:13 |
| S1 | 30 | ("20020004258" "20020004258" "20020014689" "20020014689" "20020125557" "20020125557" "20020125558" "20020125558" "20020130404" "20020130404" "20040016939" "5373189" "5436203" "5495398" "5550711" "5898219" "5903049" "5977640" "6034875" "6075289" "6201266" "6201302" "6274930" "6316838" "6333552" "6340846" "6376904" "6388313" "6400007" "6414381" "6424050" "6472732" "6472741" "6489676" "6538319" "6545365" "6593647" "6599779" "6621169" "6737750" "6777799").PN. | USPAT | OR | OFF | 2005/04/16 16:20 |
| S5 | 41 | karnezos-marcos.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/18 09:56 |
| S6 | 22 | S5 and package and (flip-chip or (flip adj chip)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/16 16:54 |
| S7 | 20 | S6 and substrate and (shield\$4 or encapsulat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/16 16:54 |
| S8 | 1 | "20040063246" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/16 16:25 |
| S9 | 5 | ((("6777799") or ("6737750") or ("5898219") or ("5903049") or ("6340846")).PN. | USPAT; USOCR | OR | OFF | 2005/04/16 16:26 |
| S10 | 2 | ("5373189" "5631497").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/16 16:36 |
| S11 | 5 | ("4956694" "5019943" "5128831" "5311401" "5313096").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/16 16:37 |
| S12 | 49 | ("5373189").URPN. | USPAT | OR | OFF | 2005/04/16 16:38 |
| S13 | 20 | ("20020004258" "20020014689" "20020125557" "20020125558" "20020130404" "5373189" "5550711" "5898219" "6075289" "6201302" "6274930" "6340846" "6376904" "6388313" "6400007" "6414381" "6424050" "6489676" "6538319" "6737750").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/16 16:39 |
| S14 | 27 | ("5903049").URPN. | USPAT | OR | OFF | 2005/04/16 16:50 |
| S15 | 2 | ("5373189" "5631497").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/16 16:53 |
| S16 | 20 | S1 and substrate and (shield\$4 or encapsulat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/16 16:54 |
| S17 | 11 | S16 and package and (flip-chip or (flip adj chip)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/16 16:54 |
| S18 | 15 | ("5410451" "5726079" "5766021" "5815372" "5866943" "5909057" "6011304" "6316828" "6331447" "6338813" "6342398" "6353259" "6358049" "6380002" "6381838").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/16 17:07 |
| S19 | 2 | ("5373189" "5631497").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 09:34 |

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S20 | 27 | ("5903049").URPN. | USPAT | OR | OFF | 2005/04/18 09:36 |
| S21 | 244 | "6005778" "6611057" "5477082" "5723904" "6339254" "6583502" "20020164838" "6118176" "6483181" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/18 09:57 |
| S22 | 130 | S21 and (board or substrate) and ((flip adj chip) or flip-chip) and (hous\$4 or shield\$4 or packag\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/18 09:58 |
| S23 | 121 | S22 and wir\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/18 09:58 |
| S24 | 17 | S22 and ((board or substrate) and ((flip adj chip) or flip-chip) and (hous\$4 or shield\$4 or packag\$4)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/18 09:58 |
| S25 | 15 | S23 and ((board or substrate) and ((flip adj chip) or flip-chip) and (hous\$4 or shield\$4 or packag\$4)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/04/18 09:59 |
| S26 | 7 | ("20010031508" "5581498" "5858815" "6104084" "6118176" "6239496" "6351028").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:01 |
| S28 | 30 | ("5266912" "5491362" "5552596" "5591959" "5608262" "5656856" "5728606" "5734199" "5760478" "5783870" "5801448" "5804882" "5869894" "5909057" "5949135" "5963429" "5963430" "5973930" "5977640" "6002178" "6005292" "6014316" "6025648" "6057598" "6181008" "6229215" "6232667" "6239484" "6326696" "6339254"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:03 |
| S29 | 13 | ("5001542" "5404044" "5600541" "5715144" "5727310" "5786635" "5790384" "5798567" "5801448" "5805422" "5825080" "5834848" "5883426").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:04 |
| S30 | 1 | ("5528456").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:08 |
| S31 | 44 | ("5883426").URPN. | USPAT | OR | OFF | 2005/04/18 10:09 |
| S32 | 34 | ("5128831" "5222014" "5252857" "5323060" "5776797" "5793101" "5883426" "5946553" "5986209" "5990566" "6020624" "6020629" "6028365" "6051878" "6072233" "6072236" "6100594" "6121676" "6153924" "6154366" "6160718" "6175149" "6212767" "6222265" "6225689" "6228548" "6235554" "6258623" "6261865" "6262895" "6281577" "6294839" "6297547" "6303981").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:11 |
| S33 | 2 | ("6607937").URPN. | USPAT | OR | OFF | 2005/04/18 10:12 |
| S34 | 20 | ("4709468" "5001542" "5404044" "5600541" "5715144" "5727310" "5786635" "5790384" "5798567" "5801448" "5805422" "5825080" "5834848" "5883426" "5994166" "6025648" "6051878" "6143590" "6147401" "6222265"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:14 |
| S35 | 7 | ("6287892").URPN. | USPAT | OR | OFF | 2005/04/18 10:16 |
| S36 | 34 | ("4371912" "4638348" "4761681" "4841355" "4868712" "4956694" "5012323" "5128831" "5231304" "5239447" "5266912" "5299092" "5311401" "5313096" "5373189" "5384689" "5400003" "5616958" "5625221" "5637536" "5639695" "5639696" "5642261" "5648679" "5668405" "5675180" "5677566" "5804874" "5815372" "5835988" "5844315" "5883426" "5903049" "5994166").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:16 |
| S37 | 44 | ("5883426").URPN. | USPAT | OR | OFF | 2005/04/18 10:18 |
| S38 | 26 | ("6025648").URPN. | USPAT | OR | OFF | 2005/04/18 10:19 |

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S39 | 4 | ("3777221" "5375042" "5477933" "5535101").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:23 |
| S40 | 2 | S24 not S25 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:23 |
| S41 | 106 | S23 not S24 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/18 10:24 |
| S42 | 26 | S41 and ((flip adj chip) or flip-chip).ab. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/18 10:26 |
| S43 | 80 | S41 not S42 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/18 10:26 |
| S44 | 40 | ("20010015485" "20020074668" "20020079567" "4996587" "5212402" "5254871" "5283717" "5418752" "5444296" "5463253" "5508878" "5652463" "5674785" "5898224" "5923090" "5952611" "5973403" "5994166" "5994773" "6005778" "6013877" "6013948" "6020629" "6047456" "6051878" "6081023" "6087717" "6118176" "6157080" "6181002" "6222246" "6236109" "6262488" "6265771" "6303981" "6316727" "6337510" "6388336" "6507098" "6646334").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:27 |
| S45 | 5 | ("5977640" "6127726" "6137164" "6147401" "6150724").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:33 |
| S46 | 18 | ("6339254").URPN. | USPAT | OR | OFF | 2005/04/18 10:37 |
| S48 | 7 | ((("6316838") or ("6333552") or ("5436203") or ("6599779") or ("6034875") or ("6201266") or ("6472732"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/04/18 10:51 |
| S49 | 4 | ((("6593647") or ("6545365") or ("6472741") or ("5495398"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/04/18 10:52 |
| S50 | 6 | ("20020158325" "5903049" "6215182" "6407456" "6414384" "6452279").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:53 |
| S51 | 18 | ("5012323" "5128831" "5291061" "5322207" "5323060" "5387815" "5399898" "5422435" "5426566" "5434745" "5483024" "5600175" "5721452" "5874781" "5886412" "5963794" "6051886" "6215193").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 10:57 |
| S52 | 3 | ("4320438" "4714952" "5012323").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 11:00 |
| S53 | 122 | ("5422435").URPN. | USPAT | OR | OFF | 2005/04/18 11:01 |
| S54 | 4 | ("5422435" "5990545" "5994166" "6265763").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 11:14 |
| S55 | 2 | ("6621169").URPN. | USPAT | OR | OFF | 2005/04/18 11:15 |
| S56 | 17 | ("4388128" "5208188" "5323060" "5422435" "5478781" "5691567" "5745985" "5811317" "5923090" "5973403" "6084308" "6098278" "6099959" "6150724" "6191483" "6252305" "6258626").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 11:17 |
| S57 | 24 | ("4264917" "4701236" "4746392" "4862245" "5012323" "5146308" "5147815" "5229647" "5239198" "5252857" "5266833" "5291061" "5311057" "5323060" "5328087" "5331235" "5340771" "5399898" "5422435" "5438224" "5471369" "5483024" "5484959" "5491612").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/18 11:24 |

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S58 | 34 | ("5128831" "5222014" "5252857" "5323060" "5776797" "5793101" "5883426" "5946553" "5986209" "5990566" "6020624" "6020629" "6028365" "6051878" "6072233" "6072236" "6100594" "6121676" "6153924" "6154366" "6160718" "6175149" "6212767" "6222265" "6225689" "6228548" "6235554" "6258623" "6261865" "6262895" "6281577" "6294839" "6297547" "6303981").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/29 19:30 |
| S59 | 5 | ("4672421" "4878611" "5011066" "5036431" "5060844").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/29 19:36 |
| S60 | 180 | ("5222014").URPN. | USPAT | OR | ON | 2005/12/29 19:45 |
| S61 | 235 | ((multi\$4 or plural\$4) near2 package) near3 (pile\$3 or stack\$3) and wir\$3 and ((second or upper or lower) adj2 substrate) and (ball or bump or solder or (flip adj chip) or flipchip) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/30 14:43 |
| S62 | 146 | S61 and (@ad<"20020917" or @rlad<"20020917") | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/29 20:07 |
| S63 | 13 | (US-5373189-\$ or US-5422435-\$ or US-5883426-\$ or US-5903049-\$ or US-6025648-\$ or US-6274930-\$ or US-6472741-\$ or US-6593647-\$ or US-6607937-\$ or US-6621169-\$ or US-6836002-\$ or US-6838761-\$ or US-5222014-\$).did. | USPAT | OR | ON | 2005/12/29 20:08 |
| S64 | 134 | (S62 not S63) and (seal\$3 or shield\$3 or encapsulat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/29 20:08 |
| S65 | 66 | S64 and ((flip adj chip) or flipchip) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/29 20:09 |
| S66 | 4 | S65 and (land adj grid adj array) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/29 20:10 |
| S68 | 37 | (S65 not S66) and (substrate with metal\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/29 20:20 |
| S69 | 25 | S65 not (S66 S68) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/29 20:20 |
| S72 | 2 | ((("5222014") or ("6492726") or ("200400461213")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/29 20:25 |
| S74 | 3 | ((("20030025188") or ("6614104") or ("6737750")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/29 20:26 |
| S75 | 36 | ("4763188" "5012323" "5025306" "5166772" "5200809" "5291061" "5323060" "5347429" "5365107" "5422435" "5463253" "5495398" "5502289" "5530202" "5656864" "5689135" "5696031" "5715147" "5721452" "5739581" "5793108" "5815372" "5866949" "5886412" "5973403" "6005778" "6051886" "6057598" "6072243" "6080264" "6133637" "6214641" "6246115" "6326696" "6429512" "RE36613").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/29 20:27 |

| | | | | | | |
|-----|----|--|---|----|----|------------------|
| S76 | 68 | S64 not S65 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/12/30 14:34 |
| S77 | 19 | (((multi\$4 or plural\$4) near2 package) near3 (pile\$3 or stack\$3)) and wir\$3 and ((second or upper or lower) adj2 substrate) and (ball or bump or solder or (flip adj chip) or flipchip)).cim. | US-PGPUB | OR | ON | 2005/12/30 16:11 |